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Declaration for Patent Application

Docket Number: 2132.0180000 As a below named inventor, I hereby declare that: My residence, mailing address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays, the specification of which is attached hereto unless the following box is checked: was filed on March 10, 2004; as United States Application Number or PCT International Application Number 10/796,413; and \boxtimes (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed. Priority Claimed Prior Foreign Applications(s): ☐ Yes (Day/Month/Year Filed) (Country) (Application No.) ☐ Yes ☐ No (Day/Month/Year Filed) (Country) (Application No.) STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. Send Correspondence to: 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 Direct Telephone Calls to:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first Inventor:	Xiangfeng Duan	
Signature of first Inventor:		Date: 7/8/04
Residence:	Mountain View, CA	
Citizenship:	China	
Mailing Address:	1200 Dale Ave. Apt. #131 Mountain View, CA, 94040	·
Full name of second Inventor:	Chunming Niu	
Signature of second Inventor:	Jeuns My	Date: (2010)
Residence:	Palo Alto, CA	
Citizenship:	U.S.	
Mailing Address:	450 Loma Verde Ave. Palo Alto, CA, 94306	
Full name of third Inventor:	David Stumbo	1.)
Signature of third Inventor:	WINT!	Date: 7/8/04
Residence:	Belmont, CA	· · · · · · · · · · · · · · · · · · ·
,Citizenship:	U.S.	
Mailing Address:	1561 6th Ave. Belmont, CA, 94002	

Appl No. 10/796,413 Docket No. 2132.0180000

Full name of fourth Inventor:	Calvin Chow	·
Signature of fourth Inventor:		Date: 7-9-04
Residence:	Portola Valley, CA	
Citizenship:	U.S.	
Mailing Address:	455 Minoca Drive Portola Valley, CA, 94028	

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Appl. No. 10/796,413 Docket No. 2132.0180000

POWER OF ATTORNEY FROM ASSIGNEE

the principal place of business at 2625 Hanover Street, Palo
Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of business at 2625 Hanover Street, Palo Nanosys, Inc., a corporation of Delaware, having a principal place of the Assignment of Delaware, having a principal place of the Assignment of Delaware, having a principal place of the Delawa
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Alto, California 94304, is assignee of the entire right, fitte, and interest varieties of the entire right, fitted in the entire right,
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2) 6 2404 , 3) 7 8 04 , and 4) 7 9 07 Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Memory Devices Attorney Charge Carrying Arrays (Attorney Docket No. Nano-Enabled Carrying Arrays (Attorney Docket No. Nano-Enabled Carrying Attorney Charg
Nano-Enabled Memory Devices and Anisotropic Charge Carrying Introduced by the inventors 2132.0180000), that is disclosed and claimed in a patent application of the same title by the inventors 2132.0180000), that is disclosed and claimed in a patent application of the same title by the inventors 2132.0180000), that is disclosed and claimed in a patent application of the same title by the inventors 2132.0180000), that is disclosed and claimed in a patent application of the same title by the inventors 2132.0180000 (said application filed on
2132.0180000), that is disclosed and disclosed and Stumbo, and 4) Calvin Chow (said application filed of
2132.0180000), that is disclosed and claimed in a patent application of the same of the sa
1) Xiangfeng Duan, 2) Chunming Niu, 3) David Stambo, and 3) March 10, 2004 at the U.S. Patent and Trademark Office, having Application Number 10/796,413).
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For the purpose of PAIR, the Customer Number is 26111.

The Assignee hereby appoint the U.S. attorneys associated with CUSTOMER NUMBER 28393 to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; being: Robert Greene Sterne, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 32,831; Michaele A. W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 34,395; Michael V. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 39,987. The Assignees hereby grant said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Customer Number 26111
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

FOR: Nanosys, Inc.
SIGNATURE: BY: Matthew B. Murphy
TITLE: Vice President, Intellectual
DATE: July 9, 2004 Property

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pplicant/Patent Owner: Nanosys, mc. pplication No./Patent No.: 10/796,413	Filed/Issue Date:	March 10, 200-
ptitled: Nano-Enabled Memory Devices And Aniso	tropic Charge Carryin	ig Arrays
Nanosys, Inc. Name of Assignee)	(Type of Assignee, e.g.	, corporation, partnership, university, government agency, etc.)
tates that it is: . ☑ the assignee of the entire right, title, and interes	st; or	
 an assignee of less than the entire right, title ar The extent (by percentage) of its ownership int identified above by virtue of either: 		
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B. [] A chain of title from the inventor(s), of the pate assignee as shown below:	nt application/patent in	k Office at
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[] Additional documents in the chain of	title are listed on a sup	oplemental sheet.
[X] Copies of assignments or other documents in to [NOTE: A separate copy (i.e., the original assignment be submitted to Assignment Division in a recorded in the records of the PTO. See MPE	accordance with 37 CF P 302.08]	R Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is	authorized to act on t	pehalf of the assignee.
July 9, 2004		Matthew D. Murphy
Date 650-331-2109		the My
Telephone number	•	Vice President Intellectual Property
	·	Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, 1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, 1450.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: 1) Xiangfeng Duan, 2) Chunming Niu, 3) David Stumbo, and 4) Calvin Chow, the undersigned inventors hereby sell and assign to Nanosys, Inc., a corporation formed under the laws of Delaware (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as Nano-Enabled Memory Devices and Anisotropic Charge Carrying Arrays for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) 78 04 (also known as United States Application and 4) 713 04 in any and all applications thereon, in any and all Letters No. 10/796,413, filed March 10, Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any nonprovisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcom, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 30,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 30,086; Donald J. Featherstone, Esq., Registr No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987.; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or

Page 1 of 2

Appl. No. 10/796,413 Docket No. 2132.0180000

desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 7/8/04 Signature of Inventor: Xiangleng Duan

Date: 7/8/04 Signature of Inventor: David Stumbo

Date: 7/9/04 Signature of Inventor: Calvine flow

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